

L4 ANSWER 274 OF 319 HCA COPYRIGHT 1996 ACS

ACCESSION NUMBER: 102:47470 HCA

TITLE: Coating having low reflectance

PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

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PATENT INFORMATION:	JP 59115840 A2	840704 Showa
APPLICATION INFORMATION:	JP 82-225787	821224
DOCUMENT TYPE:	Patent	
LANGUAGE:	Japanese	
AB	A coating of silane compd. or transparent resin, having a refractive index of same or higher level compared to a transparent substrate, is formed on the substrate and a coating composed of polyfluoro group-contg. compd. is applied on top to give a multilayer coating. The surface reflectance of glass and plastic substrate can be decreased and hence the coating is useful for doors, windows, and optical lenses. Thus, Rf(CH ₂) ₂ Si(OMe) ₃ (I; Rf = C _n F _{2n+1} , n = 6, 8, 10, 12 mixt., av. 9.0; prep'd. from RfCH:CH ₂ , HSiCl ₃ and MeOH) was dissolved in Fronsolve R-113 and Me ₂ CO. Glass plate was first soaked in a soln. conta. the reaction product of 3-(glycidyloxy)propyltriethoxysilane and H ₂ N(CH ₂) ₂ NH(CH ₂) ₃ Si(OMe) ₃ . dried, and then soaked in the I soln., and cured. The coating had good hardness and low reflectance.	